

Refine Search

Search Results -

Terms	Documents
L1 same interrupt\$3	9

Database:

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Search:

L2

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Interrupt

Search History

DATE: Monday, August 07, 2006 [Printable Copy](#) [Create Case](#)**Set Name Query**

side by side

Hit Count Set Name

result set

DB=PGPB; PLUR=YES; OP=OR

L2 L1 same interrupt\$3

9

L2L1 ("virtual machine" or VM) same multiplex\$3

93

L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L4 same interrupt\$3	17

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Set Name Query
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DB=PGPB,USPT,USOC; PLUR=YES; OP=OR

<u>L5</u>	L4 same interrupt\$3	17	<u>L5</u>
<u>L4</u>	("virtual machine" or VM) same multiplex\$3	268	<u>L4</u>
<u>L3</u>	L1 same interrupt\$3	9	<u>L3</u>

DB=PGPB; PLUR=YES; OP=OR

<u>L2</u>	L1 same interrupt\$3	9	<u>L2</u>
<u>L1</u>	("virtual machine" or VM) same multiplex\$3	93	<u>L1</u>

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L6 same interrupt\$3	2

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Search:

L7

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Set Name Query

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Hit Count Set Name

result set

DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

<u>L7</u> L6 same interrupt\$3	2	<u>L7</u>
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<u>L6</u> ("virtual machine" or VM) same multiplex\$3	42	<u>L6</u>
---	----	-----------

DB=PGPB,USPT,USOC; PLUR=YES; OP=OR

<u>L5</u> L4 same interrupt\$3	17	<u>L5</u>
--------------------------------	----	-----------

<u>L4</u> ("virtual machine" or VM) same multiplex\$3	268	<u>L4</u>
---	-----	-----------

<u>L3</u> L1 same interrupt\$3	9	<u>L3</u>
--------------------------------	---	-----------

DB=PGPB; PLUR=YES; OP=OR

<u>L2</u> L1 same interrupt\$3	9	<u>L2</u>
--------------------------------	---	-----------

<u>L1</u> ("virtual machine" or VM) same multiplex\$3	93	<u>L1</u>
---	----	-----------

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L1 and L8	18

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Search:

L10

Refine Search

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Set Name Query

side by side

Hit Count Set Name

result set

DB=PGPB,USPT,USOC; PLUR=YES; OP=OR

L10 11 and L8 18 L10

L9 16 and L8 0 L9

L8 710/260-269,200,40,48,49;712/224,244;718/1,100,103,108;711/6,151,203;700/1.ccls. 8574 L8

DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

L7 L6 same interrupt\$3 2 L7

L6 ("virtual machine" or VM) same multiplex\$3 42 L6

DB=PGPB,USPT,USOC; PLUR=YES; OP=OR

L5 L4 same interrupt\$3 17 L5

L4 ("virtual machine" or VM) same multiplex\$3 268 L4

L3 L1 same interrupt\$3 9 L3

DB=PGPB; PLUR=YES; OP=OR

L2 L1 same interrupt\$3 9 L2

L1 ("virtual machine" or VM) same multiplex\$3 93 L1

END OF SEARCH HISTORY

EAST - [Untitled1:1]

File View Edit Tools Window Help

Drafts

Pending

Active

L1: (161) ("virtual machine" or VM) same multiplex\$3

L2: (6) l1 same interrupt\$3

Failed

Saved

Favorites

Tagged (0)

UDC

Queue

Trash

Search

DBs

USPAT

Default operator: OR

Plural

Highlight all hit terms initially

BRS form

IS&R form

Image

Text

HTML

	Type	L #	Hits	Search Text	DBs	Time Stam	Comment	Error	Definit	Er
1	BRS	L1	161	("virtual machine" or VM) same multiplex\$3	USPA	2006/08/07 17:41				
2	BRS	L2	6	l1 same interrupt\$3	USPA	2006/08/07 17:41				

Start

EAST - [...]

EAST - [Untitled1:1]

File View Edit Tools Window Help

☐ Drafts
☐ Pending
☒ Active
 L1: (161) ("virtual mac
 L2: (6) ll same interr
☐ Failed
☐ Saved
☐ Favorites
☐ Tagged (0)
☐ UDC
☐ Queue
☐ Trash

Search List Browse Queue Clear
 DBs USPAT

Default operator: OR

☒ Plurals
☒ Highlight all hit terms initially

ll same interrupt\$3

☒ BRS form
☒ IS&R form
☒ Image
☒ Text
☒ HTML

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1	<input type="checkbox"/>	<input type="checkbox"/>	US 6803787 B1	20041012	12	State machine in a programmable logic devi	326/46	326/38
2	<input type="checkbox"/>	<input type="checkbox"/>	US 6507167 B2	20030114	21	Power factor compensation device for	318/729	318/438; 363/37;
3	<input type="checkbox"/>	<input type="checkbox"/>	US 6452937 B1	20020917	18	Card-based voice messaging system	370/442	370/259; 455/412.1;
4	<input type="checkbox"/>	<input type="checkbox"/>	US 6281658 B1	20010828	21	Power factor compensation device for	318/729	318/801
5	<input type="checkbox"/>	<input type="checkbox"/>	US 5117350 A	19920526	34	Memory address mechanism in a distribu	711/1	711/202
6	<input type="checkbox"/>	<input type="checkbox"/>	US 4812967 A	19890314	14	Method and apparatus for controlling interru	710/269	



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((virtual machine<in>metadata) <and> (multiplex*<in>metadata))<and> (Interrupt

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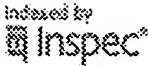
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IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

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IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

* Key

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An analysis of disk performance in VMware ESX server virtual machines

Abdullah, J.M., Holter, A.M., Kambo, R., Makhlouf, Y., VMware Inc., Palo Alto, CA, USA

This paper appears in: **Workload Characterization, 2003. WWC-6, 2003 IEEE International Workshop on**
 Publication Date: 27 Oct. 2003

On page(s): 65 - 76

Number of Pages: 12

ISSN:

INSPEC Accession Number: 7892405

Digital Object Identifier: 10.1109/WWC.2003.1249058

Posted online: 2003-12-03 13:53:14.0

Abstract

VMware ESX Server is a software platform that efficiently multiplexes the hardware resources of a server among virtual machines. This paper studies the performance of a key component of the ESX Server architecture: its storage subsystem. We characterize the performance of native systems and virtual machines using a series of disk microbenchmarks on several different storage systems. We show that the virtual machines perform well compared to native, and that the I/O behavior of virtual machines closely matches that of the native server. We then discuss how the microbenchmarks can be used to estimate virtual machine performance for disk-intensive applications by studying two workloads: a simple file server and a commercial mail server.

index Terms
 Inspec

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benchmark testing digital storage file servers multiplexing performance evaluation storage management virtual machines

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Author Keywords

Not Available

References

No references available on IEEE Xplore.

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